

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF A EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 450 (ANNAPOLIS ROAD) AND ARDWICK - ARDMORE ROAD IN PRINCE GEORGE'S COUNTY.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA FIVE PHASE MODE. A NEW E/P U-TURN PHASE WILL BE PROVIDED FOR MD 450 EAST BOUND.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. MAJIB SHAKIB, ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (301) 513-7358  
MR. DENNIS MCMAHON, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION  
PHONE: (301) 513-7336  
MR. RALEIGH MEDLEY, ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (301) 513-7304  
MR. AUGIE REBISH, UTILITY ENGINEER  
PHONE: (301) 513-7350  
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630  
MR. ED RODENHIZER, CHIEF SIGNAL OPERATIONS DIVISION  
PHONE: (410) 787-7650

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR FOLLOWING MSHA STANDARD PLATES FOR TRAFFIC CONTROL.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
9002	NEMA LOAD SWITCH	EA	1
9046	DETECTOR RACK RETROFIT	EA	1
9086	VIDEO INTERFACE EQUIPMENT	EA	1
9572	FLAT SHEET ALUMINUM SIGNS CONSISTING OF: R10-12(1) (36"x42")	SF	11
		EA	1

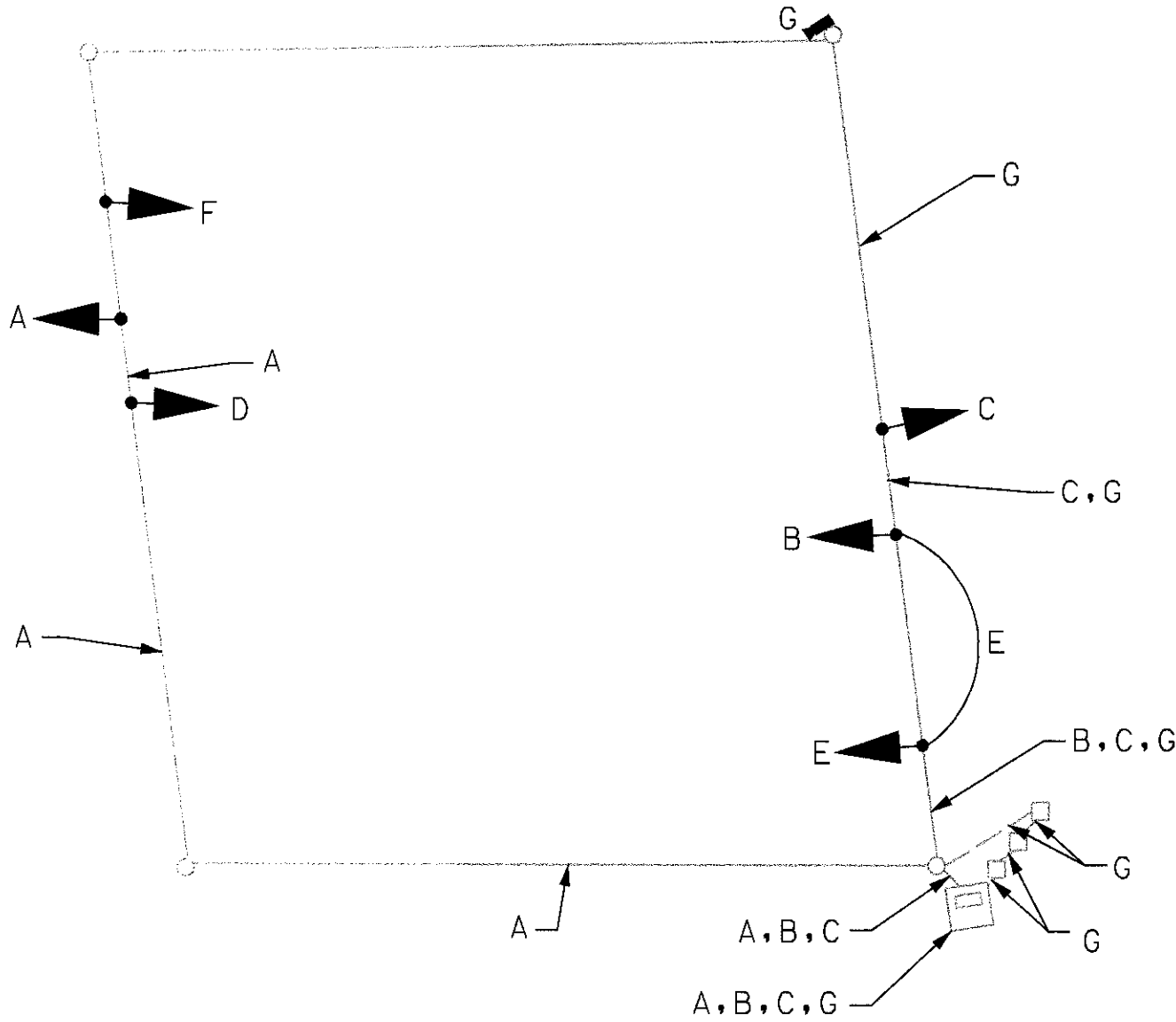
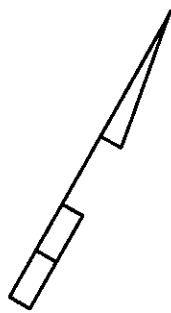
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC	EA	1
8007	ADJUST AND RE-RING EXISTING SPAN WIRE	EA	1
8013	REMOVE AND DISPOSE OF TRAFFIC SIGNAL EQUIPMENT	LS	1
8043	F&I OVERHEAD SIGN	SF	11
8044	VIDEO DETECTION CAMERA	EA	1
8045	CONTROL CABLE, 250 FT., VIDEO DETECTION CAMERA TO CONTROLLER	EA	1
8052	F&I 8 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	6
8053	F&I 12 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	20
8058	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	20
8059	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	LF	455
8065	1/4 IN. SPAN WIRE (TETHER WIRE)	LF	240

C. MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
	SIGNAL HEADS	EA	14

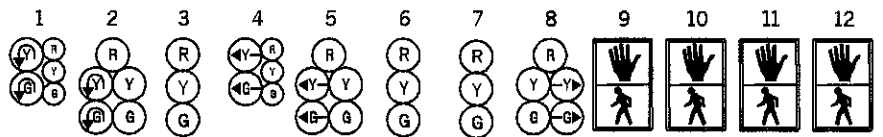
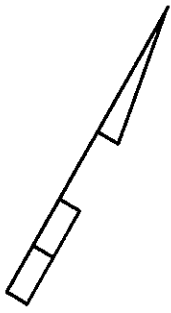
WIRING DIAGRAM



- KEY
- A  
B  
C } 7 CONDUCTOR ELECTRICAL CABLE  
(NO. 14 AWG)
- E } 5 CONDUCTOR ELECTRICAL CABLE  
(NO. 14 AWG)
- G } VIDEO DETECTION CABLE

NOTE:  
SIGNAL HEADS "D" AND "F"  
SHALL BE WIRED WITH  
PREVIOUS CABLES.

PHASE CHART



PHASE 1 AND 5	GR	GR	R	GR	GR	R	R	RG	DW	DW	DW	DW
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6												
PHASE 1 AND 6	GG	GG	G	R	R	R	R	R	DW	DW	DW	DW
1 CHANGE	VG	VG	G	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 AND 5	R	R	G	GG	GG	G	R	RG	DW	DW	DW	DW
5 CHANGE	R	R	G	VG	VG	G	R	RY	DW	DW	DW	DW
PHASE 2 AND 6	G	G	G	G	G	G	R	R	DW	DW	WK	WK
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	DW	DW	FLDW	FLDW
PHASE 4	R	R	R	R	R	R	G	G	DW	DW	DW	DW
4 CHANGE	R	R	R	R	R	R	Y	Y	DW	DW	DW	DW
PHASE 4 ALT	R	R	R	R	R	R	G	G	WK	WK	DW	DW
PED CLEARANCE	R	R	R	R	R	R	G	G	FLDW	FLDW	DW	DW
4 ALT CHANGE	R	R	R	R	R	R	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	DARK	DARK	DARK	DARK



SABRA, WANG & ASSOCIATES, INC.  
1604 JOH AVENUE  
SUITE 180  
BALTIMORE, MD 21227  
(410) 737-6564  
WWW.SABRA-WANG.COM



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
GENERAL INFORMATION PLAN

MD 450 & ARDWICK - ARDMORE RD

DRAWN BY: L.YEH  
CHECKED BY: S.SMITH  
SCALE: 1" = 20'  
DATE: AUGUST 2003

F.A.P. NO.  
S.H.A. NO. 4038  
COUNTY: PRINCE GEORGE'S  
LOG MILE: 16045003.18

TS NO.  
4038  
T.I.M.S. NO.  
F-722

SHEET NO.

2 OF 2